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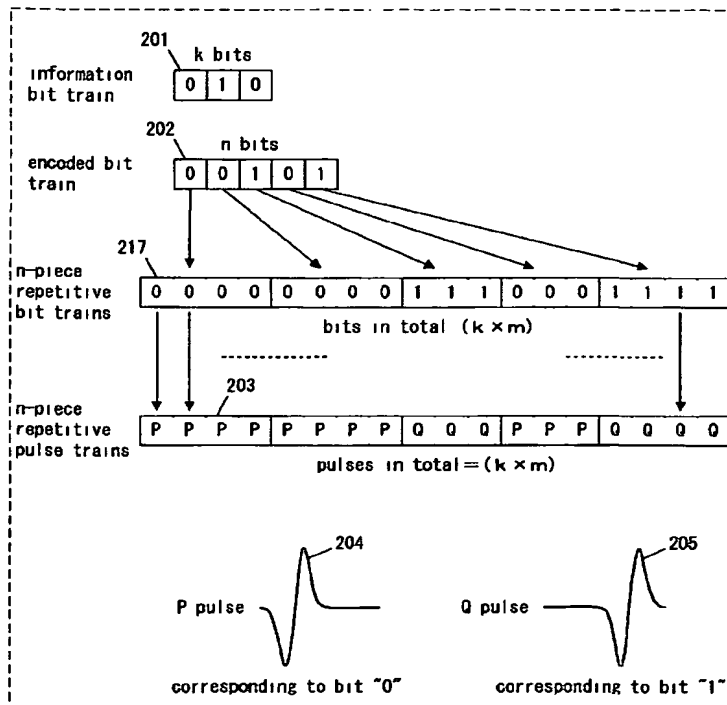
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(54) Title: TRANSMITTING METHOD, RECEIVING METHOD, TRANSMITTING DEVICE, RECEIVING DEVICE AND TRANCEIVING DEVICE



(57) Abstract: A transmitting device of the present invention comprises an encoder (20), a transmitting unit (100) including and a pulse generator (30) and a parallel-to-serial converter (50), a transmitting control unit (40), and an antenna (90). The pulse generator (30) comprises a first pulse train generator (31), a second pulse train generator (32), and an n-th pulse train generator (33). A k-bit information bit train is inputted from the information signal source (10). The encoder (20) encodes the k-bit information bit train into an n-bit encoded bit train at a coded rate of (k/n). The pulse generator (30) generates n-piece repetitive pulse trains corresponding to the n-bit encoded bit train. The antenna (90) transmits the n-piece repetitive pulse trains as UWB-IR.

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